

Applicant : Todor G. Georgiev, et al.  
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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1 – 26. (Cancelled)

27. (Currently Amended) A computer program product, tangibly embodied in an information carrier, comprising instructions operable to cause data processing equipment to:

receive a source image, the source image being associated with a distortion vector field having a plurality of distortion vectors, each distortion vector ending at a source mesh point associated with one or more pixels in the source image;

receive a user input specifying a movement in a graphical user interface of a brush cursor over the [[a]] source image, the source image having a plurality of regions, each region being associated with a distortion vector that has an end point in the region;

modify one or more distortion vectors of the distortion vector field according to the movement of the brush cursor over the source image; and each distortion vector having an end point that is under the brush cursor during the movement, the distortion vector being modified according to a direction of movement of the brush cursor; and

modify the source image using the modified distortion vector field distortion vectors to produce a destination image having a warping effect, such that the distortion vectors in the modified distortion vector field map each source mesh point to a corresponding destination mesh point associated with one or more pixels in the destination image.

28. (Currently Amended) The computer program product of claim 27, further comprising instructions operable to cause the data processing apparatus to:

repeat the modification of the distortion vector field vectors and the modification of the

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source image in response to receiving additional user input specifying additional movement of the brush cursor.

29. (Cancelled)

30. (Currently Amended) The computer program product of claim 27 [[29]], wherein the direction and the movement of the brush cursor are sampled at regular intervals.

31. (Currently Amended) The computer program product of claim 27 [[29]], wherein the direction and the movement of the brush cursor are sampled at 1/30 second intervals.

32. (Currently Amended) The computer program product of claim 27 [[29]], wherein each distortion vector modified is modified by each path segment vector has a magnitude determined by a corresponding speed of the movement of the brush cursor.

33-34. (Cancelled)

35. (Currently Amended) The computer program product of claim 27 [[29]], wherein the brush cursor has associated brush pressure values that determine a strength of the brush cursor at each region of the source image covered by the brush cursor and the instructions to modify one or more distortion vectors of the distortion vector field ~~generate the path segment vectors~~ are operable to cause the data processing apparatus to:

generate path segment vectors for each region having ~~modify each distortion vector by a~~ magnitude determined by the strength of the brush cursor for the region.

36. (Previously Presented) The computer program product of claim 35, wherein the brush cursor has uniform brush pressure.

37. (Previously Presented) The computer program product of claim 35, wherein the brush cursor has non-uniform brush pressure.

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38. (Currently Amended) A method comprising:

receiving a source image, the source image being associated with a distortion vector field having a plurality of distortion vectors, each distortion vector ending at a source mesh point associated with one or more pixels in the source image;

receiving a user input specifying a movement in a graphical user interface of a brush cursor over the source image, the source image having a plurality of regions, each region being associated with a distortion vector that has an end point in the region;

modifying one or more distortion vectors of the distortion vector field according to the movement of the brush cursor over the source image; and each distortion vector having an end point that is under the brush cursor during the movement, the distortion vector being modified according to a direction of movement of the brush cursor; and

modifying the source image using the modified distortion vector field distortion vectors to produce a destination image having a warping effect, such that the distortion vectors in the modified distortion vector field map each source mesh point to a corresponding destination mesh point associated with one or more pixels in the destination image.

39. (Cancelled)

40. (New) The method of claim 38, further comprising:

repeating the modification of the distortion vector field and the modification of the source image in response to receiving additional user input specifying additional movement of the brush cursor.

41. (New) The method of claim 38, wherein the direction and the movement of the brush cursor are sampled at regular intervals.

42. (New) The method of claim 38, wherein the direction and the movement of the brush cursor are sampled at 1/30 second intervals.

43. (New) The method of claim 38, wherein each distortion vector modified is modified by a magnitude determined by a corresponding speed of the movement of the brush cursor.

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44. (New) The method of claim 38, wherein the brush cursor has associated brush pressure values that determine a strength of the brush cursor at each region of the source image covered by the brush cursor and modifying one or more distortion vectors of the distortion vector field includes modifying each distortion vector by a magnitude determined by the strength of the brush cursor for the region.

45. (New) The method of claim 44, wherein the brush cursor has uniform brush pressure.

46. (New) The method of claim 44, wherein the brush cursor has non-uniform brush pressure.